

What is claimed is:

1. In a rotational information display device which includes a housing, a motor installed in the housing and driven when a power is supplied, a light emitting diode rotation frame engaged to a rotary shaft of the motor, and light emitting diodes  
5 installed in the light emitting diode support fixed to the light emitting diode rotation frame for thereby displaying a 3D information or image during a rotation, a structure for engaging a light emitting diode in a rotational information display device, comprising:
  - a first substrate which is fixed to the light emitting diode rotation frame and  
10 includes a controller for controlling a power supply to the light emitting diodes and an on and off operation and a plurality of first pattern portions formed on a surface of the same; and
  - a second substrate which includes a second pattern portion electrically connected with the first pattern portion, and a plurality of light emitting diodes  
15 electrically connected between the second pattern portions, said second substrate being electrically connected with the first substrate.
2. The structure of claim 1, wherein said second substrate is formed of an elastically flexible printed circuit board.
- 20 3. The structure of either claim 1 or claim 2, wherein said light emitting diodes engaged on the second substrate are formed of a plurality of SMD light emitting diodes which may be combined based on RGB colors.
- 25 4. In a rotational information display device which includes a housing, a motor installed in the housing and driven when a power is supplied, a light emitting diode rotation frame which is engaged to a rotary shaft of the motor and is rotated, light

emitting diodes which are provided in the light emitting support fixed to the light emitting diode rotation frame for thereby displaying a 3D information or image in an atmosphere space during a rotation, and a controller fixed to the rotary shaft for controlling an on and off of the light emitting diodes, a structure for engaging a light emitting diode of a rotational information display device, comprising:

5 a patterned printed circuit board (PCB) which is electrically connected with the controller and fixed to the light emitting diode rotation frame, and in the patterned PCB, the light emitting diodes are inserted into the through holes and are lead-welded in the back surface, so that the power and electrical signal from the controller are transferred to the light emitting diodes.

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5. The structure of claim 4, wherein said light emitting diodes engaged on the PCB are formed of a plurality of SMD light emitting diodes which may be combined based on RGB colors.